

DECLARATION
AND POWER OF ATTORNEY
Utility Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **COMBINATIONS AND METHODS FOR PROMOTING IN VIVO LIVER CELL PROLIFERATION AND ENHANCING IN VIVO LIVER-DIRECTED GENE TRANSDUCTION** the specification of which

(Check One)

☒
☐

is attached hereto OR
was filed on _____ as United States Application Serial No. SerialNumber or
PCT International Application No. _____ and was amended on _____ (if
applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; John A. Rafter, Jr., Reg. No. 31,653; Kenneth H. Ohriner, Reg. No. 31,646; Mary S. Consalvi, Reg. No. 32,212; Lois M. Kwasigroch, Reg. No. 35,579; Lawrence R. LaPorte, Reg. No. 38,948; Robert C. Laurenson, Reg. No. 34,206; Carol A. Schneider, Reg. No. 34,923; Hope E. Melville, Reg. No. 34,874; Michael J. Wise, Reg. No. 34,047; Richard J. Warburg, Reg. No. 32,327; Kurt T. Mulville, Reg. No. 37,194; Theodore S. Maceiko, Reg. No. 35,593; Bruce G. Chapman, Reg. No. 33,846; and F. T. Alexandra Mahaney, Reg. No. 37,668; and

Michael J. Wise, Reg. No. 34,047.

Send Correspondence to: Michael J. Wise	LYON & LYON LLP 633 W Fifth St., Suite 4700 Los Angeles, CA 90071	Direct Telephone calls to: Michael J. Wise, Extension
--	---	---

Residence, post office address, citizenship and signature of inventor(s) set forth beginning on next page.

	FULL NAME OF INVENTOR	FIRST Name Malcom	MIDDLE Initial R.	LAST Name Alison	
201	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	25 Bellamy's Court	City London	State or Country United Kingdom	Zip Code SE16 1RF
	FULL NAME OF INVENTOR	FIRST Name Charles	MIDDLE Initial	LAST Name Coutelle	
202	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship Germany	
	POST OFFICE ADDRESS	12 Hills Mews, Florence Road	City London	State or Country United Kinddom	Zip Code W5 3RG
	FULL NAME OF INVENTOR	FIRST Name Stuart	MIDDLE Initial J.	LAST Name Forbes	
203	RESIDENCE & CITIZENSHIP	City Middlesex	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	c/o Hillingdon Hospital Pield Heath Road Hillingdon	City Middlesex	State or Country United Kingdom	Zip Code UB8 3NN
	FULL NAME OF INVENTOR	FIRST Name Humphrey	MIDDLE Initial J.F.	LAST Name Hodgson	
204	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	440 Onslow Gardens, Muswell Hill	City London	State or Country United Kingdom	Zip Code N10 3JU
	FULL NAME OF INVENTOR	FIRST Name Ildiko	MIDDLE Initial	LAST Name Sarosi	
205	RESIDENCE & CITIZENSHIP	City Newbury Park	State or Foreign Country CA	Country of Citizenship Hungary	
	POST OFFICE ADDRESS	587 F. North Ventu Park Road 139	City Newbury Park	State or Country California USA	Zip Code 91320
	FULL NAME OF INVENTOR	FIRST Name Michael	MIDDLE Initial	LAST Name Themis	
206	RESIDENCE & CITIZENSHIP	City Buckinghamshire	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	44 Warwick Road, Beaconsfield	City Buckinghamshire	State or Country United Kingdom	Zip Code HP9 2PL

**DECLARATION
Utility Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **COMBINATIONS AND METHODS FOR PROMOTING IN VIVO LIVER CELL PROLIFERATION AND ENHANCING IN VIVO LIVER-DIRECTED GENE TRANSDUCTION** the specification of which

(Check One)

☐

is attached hereto OR

☒

was filed on February 23, 1999 as United States Application Serial No. 09/256,630 or PCT International Application No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

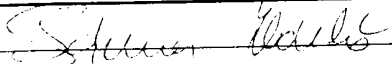
Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below

Application Number(s)	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

205	FULL NAME OF INVENTOR	FIRST Name Ildiko	MIDDLE Initial	LAST Name Sarosi	
	RESIDENCE & CITIZENSHIP	City Newbury Park	State or Foreign Country California	Country of Citizenship Hungary	
	POST OFFICE ADDRESS	587 F. North Ventu Park Road 139	City Newbury Park	State or Country California	Zip Code 91320
INVENTOR'S SIGNATURE					DATE 02/16/2005

206	FULL NAME OF INVENTOR	FIRST Name Michael	MIDDLE Initial	LAST Name Themis	
	RESIDENCE & CITIZENSHIP	City Oxfordshire	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	49 Aspley Road Thame	City Oxfordshire	State or Country United Kingdom	Zip Code OX9 3WQ
INVENTOR'S SIGNATURE			DATE		

	FULL NAME OF INVENTOR	FIRST Name Malcom	MIDDLE Initial R.	LAST Name Alison	
201	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	25 Bellamy's Court	City London	State or Country United Kingdom	Zip Code SE16 1RF
	FULL NAME OF INVENTOR	FIRST Name Charles	MIDDLE Initial	LAST Name Coutelle	
202	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship Germany	
	POST OFFICE ADDRESS	12 Hills Mews, Florence Road	City London	State or Country United Kinddom	Zip Code W5 3RG
	FULL NAME OF INVENTOR	FIRST Name Stuart	MIDDLE Initial J.	LAST Name Forbes	
203	RESIDENCE & CITIZENSHIP	City Middlesex	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	c/o Hillingdon Hospital Pield Heath Road Hillingdon	City Middlesex	State or Country United Kingdom	Zip Code UB8 3NN
	FULL NAME OF INVENTOR	FIRST Name Humphrey	MIDDLE Initial J.F.	LAST Name Hodgson	
204	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	440 Onslow Gardens, Muswell Hill	City London	State or Country United Kingdom	Zip Code N10 3JU
	FULL NAME OF INVENTOR	FIRST Name Ildiko	MIDDLE Initial	LAST Name Sarosi	
205	RESIDENCE & CITIZENSHIP	City Thousand Oaks	State or Foreign Country CA	Country of Citizenship Hungary	
	POST OFFICE ADDRESS	587 F. North Ventu Park Road 139	City Newbury Park	State or Country California USA	Zip Code 91320
	FULL NAME OF INVENTOR	FIRST Name Michael	MIDDLE Initial	LAST Name Themis	
206	RESIDENCE & CITIZENSHIP	City Buckinghamshire	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	44 Warwick Road, Beaconsfield	City Buckinghamshire	State or Country United Kingdom	Zip Code HP9 2PL

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

201	FULL NAME OF INVENTOR	FIRST Name Malcolm	MIDDLE Initial R.	LAST Name Alison	
	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK		Country of Citizenship United Kingdom
	POST OFFICE ADDRESS	25 Bellamy's Court Abbotshade Road	City London	State or Country United Kingdom	Zip Code SE 16 1RF
INVENTOR'S SIGNATURE _____					DATE _____

202	FULL NAME OF INVENTOR	FIRST Name Charles	MIDDLE Initial	LAST Name Coutelle	
	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK		Country of Citizenship Germany
	POST OFFICE ADDRESS	12 Hills Mews Florence Road	City London	State or Country United Kingdom	Zip Code W5 3RG
INVENTOR'S SIGNATURE _____					DATE _____

203	FULL NAME OF INVENTOR	FIRST Name Stuart	MIDDLE Initial J.	LAST Name Forbes	
	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK		Country of Citizenship United Kingdom
	POST OFFICE ADDRESS	157 Kyverdale Road	City London	State or Country United Kingdom	Zip Code N16 6PS
INVENTOR'S SIGNATURE _____					DATE _____

204	FULL NAME OF INVENTOR	FIRST Name Humphrey	MIDDLE Initial J.F.	LAST Name Hodgson	
	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK		Country of Citizenship United Kingdom
	POST OFFICE ADDRESS	40 Onslow Gardens Muswell Hill	City London	State or Country United Kingdom	Zip Code N10 3JU
INVENTOR'S SIGNATURE _____					DATE _____

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor	201
Date	2/14/99
Signature of Inventor	202
Date	
Signature of Inventor	203
Date	

Signature of Inventor	204
Date	
Signature of Inventor	205
Date	
Signature of Inventor	206
Date	

(Signatures should conform to names as presented at 201 et seq. above.)

**DECLARATION
AND POWER OF ATTORNEY
Utility Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **COMBINATIONS AND METHODS FOR PROMOTING IN VIVO LIVER CELL PROLIFERATION AND ENHANCING IN VIVO LIVER-DIRECTED GENE TRANSDUCTION** the specification of which

(Check One)

☒
☐

is attached hereto OR

was filed on _____ as United States Application Serial No. SerialNumber or PCT International Application No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

POWER OF ATTORNEY: I, [redacted] named inventor, I hereby appoint as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; John A. Rafter, Jr., Reg. No. 31,653; Kenneth H. Ohriner, Reg. No. 31,646; Mary S. Consalvi, Reg. No. 32,212; Lois M. Kwasigroch, Reg. No. 35,579; Lawrence R. LaPorte, Reg. No. 38,948; Robert C. Laurensen, Reg. No. 34,206; Carol A. Schneider, Reg. No. 34,923; Hope E. Melville, Reg. No. 34,874; Michael J. Wise, Reg. No. 34,047; Richard J. Warburg, Reg. No. 32,327; Kurt T. Mulville, Reg. No. 37,194; Theodore S. Maceiko, Reg. No. 35,593; Bruce G. Chapman, Reg. No. 33,846; and F. T. Alexandra Mahaney, Reg. No. 37,668; and

Michael J. Wise, Reg. No. 34,047.

Send Correspondence to: Michael J. Wise	LYON & LYON LLP 633 W Fifth St., Suite 4700 Los Angeles, CA 90071	Direct Telephone calls to: Michael J. Wise, Extension
--	---	---

Residence, post office address, citizenship and signature of inventor(s) set forth beginning on next page.

	FULL NAME OF INVENTOR	FIRST Name Malcom	MIDDLE Initial R.	LAST Name Alison	
201	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	25 Bellamy's Court	City London	State or Country United Kingdom	Zip Code SE16 1RF
	FULL NAME OF INVENTOR	FIRST Name Charles	MIDDLE Initial	LAST Name Coutelle	
202	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship Germany	
	POST OFFICE ADDRESS	12 Hills Mews, Florence Road	City London	State or Country United Kinddom	Zip Code W5 3RG
	FULL NAME OF INVENTOR	FIRST Name Stuart	MIDDLE Initial J.	LAST Name Forbes	
203	RESIDENCE & CITIZENSHIP	City Middlesex	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	c/o Hillingdon Hospital Pield Heath Road Hillingdon	City Middlesex	State or Country United Kingdom	Zip Code UB8 3NN
	FULL NAME OF INVENTOR	FIRST Name Humphrey	MIDDLE Initial J.F.	LAST Name Hodgson	
204	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	440 Onslow Gardens, Muswell Hill	City London	State or Country United Kingdom	Zip Code N10 3JU
	FULL NAME OF INVENTOR	FIRST Name Ildiko	MIDDLE Initial	LAST Name Sarosi	
205	RESIDENCE & CITIZENSHIP	City Thousand Oaks	State or Foreign Country CA	Country of Citizenship Hungary	
	POST OFFICE ADDRESS	587 F. North Ventu Park Road 139	City Newbury Park	State or Country California USA	Zip Code 91320
	FULL NAME OF INVENTOR	FIRST Name Michael	MIDDLE Initial	LAST Name Themis	
206	RESIDENCE & CITIZENSHIP	City Buckinghamshire	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	44 Warwick Road, Beaconsfield	City Buckinghamshire	State or Country United Kingdom	Zip Code HP9 2PL

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that the statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor	201
Date	
Signature of Inventor	202
Date	
Signature of Inventor	203
Date	2/4/99

Signature of Inventor	204
Date	
Signature of Inventor	205
Date	
Signature of Inventor	206
Date	

(Signatures should conform to names as presented at 201 et seq. above.)

**DECLARATION
AND POWER OF ATTORNEY
Utility Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **COMBINATIONS AND METHODS FOR PROMOTING IN VIVO LIVER CELL PROLIFERATION AND ENHANCING IN VIVO LIVER-DIRECTED GENE TRANSDUCTION** the specification of which

(Check One)

☒
☐

is attached hereto OR
was filed on _____ as United States Application Serial No. SerialNumber or
PCT International Application No. _____ and was amended on _____ (if
applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

POWER OF ATTORNEY: [redacted] named inventor, I hereby appoint as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; John A. Rafter, Jr., Reg. No. 31,653; Kenneth H. Ohriner, Reg. No. 31,646; Mary S. Consalvi, Reg. No. 32,212; Lois M. Kwasigroch, Reg. No. 35,579; Lawrence R. LaPorte, Reg. No. 38,948; Robert C. Laurenson, Reg. No. 34,206; Carol A. Schneider, Reg. No. 34,923; Hope E. Melville, Reg. No. 34,874; Michael J. Wise, Reg. No. 34,047; Richard J. Warburg, Reg. No. 32,327; Kurt T. Mulville, Reg. No. 37,194; Theodore S. Maceiko, Reg. No. 35,593; Bruce G. Chapman, Reg. No. 33,846; and F. T. Alexandra Mahaney, Reg. No. 37,668; and

Michael J. Wise, Reg. No. 34,047.

Send Correspondence to: Michael J. Wise	LYON & LYON LLP 633 W Fifth St., Suite 4700 Los Angeles, CA 90071	Direct Telephone calls to: Michael J. Wise, Extension
--	---	---

Residence, post office address, citizenship and signature of inventor(s) set forth beginning on next page.

	FULL NAME OF INVENTOR	FIRST Name Malcom	MIDDLE Initial R.	LAST Name Alison	
201	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	25 Bellamy's Court	City London	State or Country United Kingdom	Zip Code SE16 1RF
	FULL NAME OF INVENTOR	FIRST Name Charles	MIDDLE Initial	LAST Name Coutelle	
202	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship Germany	
	POST OFFICE ADDRESS	12 Hills Mews, Florence Road	City London	State or Country United Kinddom	Zip Code W5 3RG
	FULL NAME OF INVENTOR	FIRST Name Stuart	MIDDLE Initial J.	LAST Name Forbes	
203	RESIDENCE & CITIZENSHIP	City Middlesex	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	c/o Hillingdon Hospital Pield Heath Road Hillingdon	City Middlesex	State or Country United Kingdom	Zip Code UB8 3NN
	FULL NAME OF INVENTOR	FIRST Name Humphrey	MIDDLE Initial J.F.	LAST Name Hodgson	
204	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	440 Onslow Gardens, Muswell Hill	City London	State or Country United Kingdom	Zip Code N10 3JU
	FULL NAME OF INVENTOR	FIRST Name Ildiko	MIDDLE Initial	LAST Name Sarosi	
205	RESIDENCE & CITIZENSHIP	City Thousand Oaks	State or Foreign Country CA	Country of Citizenship Hungary	
	POST OFFICE ADDRESS	587 F. North Ventu Park Road 139	City Newbury Park	State or Country California USA	Zip Code 91320
	FULL NAME OF INVENTOR	FIRST Name Michael	MIDDLE Initial	LAST Name Themis	
206	RESIDENCE & CITIZENSHIP	City Buckinghamshire	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	44 Warwick Road, Beaconsfield	City Buckinghamshire	State or Country United Kingdom	Zip Code HP9 2PL

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor	201
Date	
Signature of Inventor	202
Date	
Signature of Inventor	203
Date	

Signature of Inventor	204
Date	9/2/99 (9/28/99)
Signature of Inventor	205
Date	
Signature of Inventor	206
Date	

(Signatures should conform to names as presented at 201 et seq. above.)

DECLARATION
AND POWER OF ATTORNEY
Utility Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **COMBINATIONS AND METHODS FOR PROMOTING IN VIVO LIVER CELL PROLIFERATION AND ENHANCING IN VIVO LIVER-DIRECTED GENE TRANSDUCTION** the specification of which

(Check One)

☒
☐

is attached hereto OR

was filed on _____ as United States Application Serial No. Serial Number or PCT International Application No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

POWER OF ATTORNEY: I, a named inventor, I hereby appoint as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; John A. Rafter, Jr., Reg. No. 31,653; Kenneth H. Ohriner, Reg. No. 31,646; Mary S. Consalvi, Reg. No. 32,212; Lois M. Kwasigroch, Reg. No. 35,579; Lawrence R. LaPorte, Reg. No. 38,948; Robert C. Laurensen, Reg. No. 34,206; Carol A. Schneider, Reg. No. 34,923; Hope E. Melville, Reg. No. 34,874; Michael J. Wise, Reg. No. 34,047; Richard J. Warburg, Reg. No. 32,327; Kurt T. Mulville, Reg. No. 37,194; Theodore S. Maceiko, Reg. No. 35,593; Bruce G. Chapman, Reg. No. 33,846; and F. T. Alexandra Mahaney, Reg. No. 37,668; and

Michael J. Wise, Reg. No. 34,047.

Send Correspondence to: Michael J. Wise	LYON & LYON LLP 633 W Fifth St., Suite 4700 Los Angeles, CA 90071	Direct Telephone calls to: Michael J. Wise, Extension
--	---	---

Residence, post office address, citizenship and signature of inventor(s) set forth beginning on next page.

	FULL NAME OF INVENTOR	FIRST Name Malcom	MIDDLE Initial R.	LAST Name Alison	
201	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	25 Bellamy's Court	City London	State or Country United Kingdom	Zip Code SE16 1RF
	FULL NAME OF INVENTOR	FIRST Name Charles	MIDDLE Initial	LAST Name Coutelle	
202	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship Germany	
	POST OFFICE ADDRESS	12 Hills Mews, Florence Road	City London	State or Country United Kinddom	Zip Code W5 3RG
	FULL NAME OF INVENTOR	FIRST Name Stuart	MIDDLE Initial J.	LAST Name Forbes	
203	RESIDENCE & CITIZENSHIP	City Middlesex	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	c/o Hillingdon Hospital Pield Heath Road Hillingdon	City Middlesex	State or Country United Kingdom	Zip Code UB8 3NN
	FULL NAME OF INVENTOR	FIRST Name Humphrey	MIDDLE Initial J.F.	LAST Name Hodgson	
204	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	440 Onslow Gardens, Muswell Hill	City London	State or Country United Kingdom	Zip Code N10 3JU
	FULL NAME OF INVENTOR	FIRST Name Ildiko	MIDDLE Initial	LAST Name Sarosi	
205	RESIDENCE & CITIZENSHIP	City Thousand Oaks	State or Foreign Country CA	Country of Citizenship Hungary	
	POST OFFICE ADDRESS	587 F. North Ventu Park Road 139	City Newbury Park	State or Country California USA	Zip Code 91320
	FULL NAME OF INVENTOR	FIRST Name Michael	MIDDLE Initial	LAST Name Themis	
206	RESIDENCE & CITIZENSHIP	City Buckinghamshire	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	44 Warwick Road, Beaconsfield	City Buckinghamshire	State or Country United Kingdom	Zip Code HP9 2PL

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor	201
Date	
Signature of Inventor	202
Date	13/2/99
Signature of Inventor	203
Date	

Signature of Inventor	204
Date	
Signature of Inventor	205
Date	
Signature of Inventor	206
Date	13/2/99

(Signatures should conform to names as presented at 201 et seq. above.)

**DECLARATION
Utility Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **COMBINATIONS AND METHODS FOR PROMOTING IN VIVO LIVER CELL PROLIFERATION AND ENHANCING IN VIVO LIVER-DIRECTED GENE TRANSDUCTION** the specification of which

(Check One)



is attached hereto OR



was filed on February 23, 1999 as United States Application Serial No. 09/256,630 or PCT International Application No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

201	FULL NAME OF INVENTOR	FIRST Name Malcolm	MIDDLE Initial R.	LAST Name Alison	
	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	25 Bellamy's Court Abbotshade Road	City London	State or Country United Kingdom	Zip Code SE 16 1RF
INVENTOR'S SIGNATURE			DATE 31/03/01		

202	FULL NAME OF INVENTOR	FIRST Name Charles	MIDDLE Initial	LAST Name Coutelle	
	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship Germany	
	POST OFFICE ADDRESS	12 Hills Mews Florence Road	City London	State or Country United Kingdom	Zip Code W5 3RG
INVENTOR'S SIGNATURE			DATE 21/2/00		

203	FULL NAME OF INVENTOR	FIRST Name Stuart	MIDDLE Initial J.	LAST Name Forbes	
	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	157 Kyverdale Road	City London	State or Country United Kingdom	Zip Code N16 6PS
INVENTOR'S SIGNATURE			DATE 18/4/00		

204	FULL NAME OF INVENTOR	FIRST Name Humphrey	MIDDLE Initial J.F.	LAST Name Hugson	
	RESIDENCE & CITIZENSHIP	City London	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	40 Onslow Gardens Muswell Hill	City London	State or Country United Kingdom	Zip Code N10 3JU
INVENTOR'S SIGNATURE			DATE 2/4/00		

205	FULL NAME OF INVENTOR	FIRST Name Ildiko	MIDDLE Initial	LAST Name Sarosi	
	RESIDENCE & CITIZENSHIP	City Newbury Park	State or Foreign Country California	Country of Citizenship Hungary	
	POST OFFICE ADDRESS	587 F. North Ventu Park Road 139	City Newbury Park	State or Country California	Zip Code 91320
INVENTOR'S SIGNATURE _____			DATE _____		

206	FULL NAME OF INVENTOR	FIRST Name Michael	MIDDLE Initial	LAST Name Themis	
	RESIDENCE & CITIZENSHIP	City Oxfordshire	State or Foreign Country UK	Country of Citizenship United Kingdom	
	POST OFFICE ADDRESS	49 Aspley Road Thame	City Oxfordshire	State or Country United Kingdom	Zip Code OX9 3WQ
INVENTOR'S SIGNATURE _____			DATE 27/2/2022		

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor	201
Date	
Signature of Inventor	202
Date	
Signature of Inventor	203
Date	

Signature of Inventor	204
Date	
Signature of Inventor	205
Date	<i>Schumacher</i> 02.08.99.
Signature of Inventor	206
Date	

(Signatures should conform to names as presented at 201 et seq. above.)

**DECLARATION
AND POWER OF ATTORNEY
Utility Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **COMBINATIONS AND METHODS FOR PROMOTING IN VIVO LIVER CELL PROLIFERATION AND ENHANCING IN VIVO LIVER-DIRECTED GENE TRANSDUCTION** the specification of which

(Check One)

☒
☐

is attached hereto OR
was filed on _____ as United States Application Serial No. SerialNumber or
PCT International Application No. _____ and was amended on _____ (if
applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

POWER OF ATTORNEY: As named inventor, I hereby appoint as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; John A. Rafter, Jr., Reg. No. 31,653; Kenneth H. Ohriner, Reg. No. 31,646; Mary S. Consalvi, Reg. No. 32,212; Lois M. Kwasigroch, Reg. No. 35,579; Lawrence R. LaPorte, Reg. No. 38,948; Robert C. Laurenson, Reg. No. 34,206; Carol A. Schneider, Reg. No. 34,923; Hope E. Melville, Reg. No. 34,874; Michael J. Wise, Reg. No. 34,047; Richard J. Warburg, Reg. No. 32,327; Kurt T. Mulville, Reg. No. 37,194; Theodore S. Maceiko, Reg. No. 35,593; Bruce G. Chapman, Reg. No. 33,846; and F. T. Alexandra Mahaney, Reg. No. 37,668; and

Michael J. Wise, Reg. No. 34,047.

Send Correspondence to: Michael J. Wise	LYON & LYON LLP 633 W Fifth St., Suite 4700 Los Angeles, CA 90071	Direct Telephone calls to: Michael J. Wise, Extension
--	---	---

Residence, post office address, citizenship and signature of inventor(s) set forth beginning on next page.